



# HF Happenings 876

Volume 19, Issue 33, the week of 2 December 2019

HF Happenings from [www.sarl.org.za/hf\\_happenings.asp](http://www.sarl.org.za/hf_happenings.asp)

Southern African Fauna and Flora <https://zsfaunaandflora.wordpress.com/>

Zone 38 Award and others <https://zone38award.wordpress.com/>

Worldwide List of HF Beacons <https://iaruhfbeacons.wordpress.com/>

5 MHz (60 metre) allocations <http://www.sarl.org.za/public/contests/contestrules.asp>



December is YOTA Month

## The 5 and 10 MHz WAZS and WAGS Weekend

Most radio amateurs will spend time on 80 and 40 metres looking for contacts for their Worked All ZS and Worked All Grid Squares awards. But there are radio amateurs who like a challenge and therefore over the weekend of 7 and 8 December 2019, we will hold the 5 and 10 MHz WAZS and WAGS Challenge.

This is NOT a contest! It is an opportunity to get the necessary QSOs for your WAZS and WAGS using the 60 and 30 metre bands. It is also an opportunity to collect information about the propagation on these two bands.

The challenge runs from 00:00 CAT on Saturday 7 December to 23:59 CAT on Sunday 8 December. Please note that SSB activity on 30 metres is only during local daylight hours, CW and digitals modes are 24/7.

For the propagation study, please send a copy of your log to [zs4bfn@mweb.co.za](mailto:zs4bfn@mweb.co.za). And if you have the required

## December

2 - Closing date for SARL VHF/UHF

Analogue logs

3 - International Day for People with Disabilities

4 - Schools close

7 - ARRL FT Roundup; International Civil Aviation Day; Sneeuberg Crawl, Murraysberg

7 and 8 - 5 and 10 MHz WAZS and WAGS Weekend

9 - Closing date for Newbie Party logs

10 - International Human Rights Day

10 to 21 - Ek lief Krismis Market, George

11 - International Mountain Day

12 to 30 - Durban Botanic Gardens Trail of Light

12a - Paraskevidekatriaphobia or Friggatriskaidekaphobia

12a to 15 - Gabriëlskloof Favourite Things Market, Bot River

12a to 16 - Eden Kite Festival, Garden Route

14 - Geminids meteor shower

14 and 15 - ARRL 10 m contest

16 - Day of Reconciliation; Prince Alfred Hamlet Appelkoosfees

22 - Summer Solstice

23 - Ursids meteor shower

23 to 30 - Hanukkah

25 - Christmas Day

26 - Family Day

31 - End of the 2019 CQ DX Marathon and the YOTA month

## January 2020

1 - Download the 2020 Blue Book; New Year's Day; start of the CQ DX Marathon

3 and 4 - Quadrantids meteor shower

4 - ARRL Kids Day

4 and 5 - ARRL RTTY Roundup

15 - Provincial schools open; SARL

Wednesday 80 m Club Sprint

17 to 19 - PEARS National VHF/UHF contest

QSOs, apply for your Worked All ZS and Worked all Grid Squares on 60 and 30 metres.

### YOTA Month

The Youngsters on The Air group will be active again during the entire month of December. The idea for this event is to show the amateur radio hobby to youth and to encourage youngsters to be active on the ham radio waves. Announced participating stations include 5B19YOTA, 7X2YOTA, 7X3YOTA, 9A19YOTA, DH0YOTA, E71YOTA, EF4YOTA, EG2YOTA, EI0YOTA, EM5YOTA, EM6YOTA, ET3YOTA, GB19YOTA, HA6YOTA, HB9YOTA, HG0YOTA, II4YOTA, II8YOTA, K8A, K8O, K8T, K8Y, LY5YOTA, OH2YOTA, OL19YOTA, ON4YOTA, PA6YOTA, PD6YOTA, SH9YOTA, TC19YOTA, TC3YOTA, TM19YOTA, XR2YOTA, YO0YOTA, YT19YOTA, ZL6YOTA and ZS9YOTA. QSLs via LoTW. Paper cards via Club Log's OQRS ("this year we have decided to remove Bureau options to help save resources, money and time"), or direct to M0SDV. Information about the event and the awards can be found on <https://events.ham-yota.com/>

### Results of the SARL Wednesday 80 m Club Sprint

The contest committee received 52 logs for the last Wednesday 80-meter Club Sprint, including a checklog. These 52 logs reflect 1 071 QSOs during the evening of 20 November.

- 1<sup>st</sup> Boland ARC - 1 339 points from 19 logs
- 2<sup>nd</sup> Bo-Karoo ARC - 722 points from 12 logs
- 3<sup>rd</sup> West Rand ARC - 612 points from 12 logs
- 4<sup>th</sup> Hibiscus Coast ARC - 173 points from 4 logs
- 5<sup>th</sup> Southern Cape ARC – 119 points
- 6<sup>th</sup> Cape Town ARC – 77 points
- 7<sup>th</sup> Bloemfontein ARC – 71 points
- 8<sup>th</sup> Northern Cape ARC – 46 points
- 9<sup>th</sup> Rustenburg Branch – 37 points

- 1<sup>st</sup> Christie Grobler, ZS4CGR – 129 points (Check Log)
- 2<sup>nd</sup> Johan Sevenster, ZS1A – 123 points
- 3<sup>rd</sup> Denise van Vuuren, ZS1DS – 119 points
- 4<sup>th</sup> Pieter Jacobs, ZS6XT – 118 points
- 5<sup>th</sup> Granville van Wyk, ZS1GVW and Carl Maritz, ZS1KM – 102 points
- 7<sup>th</sup> David de Kock, ZS1DDK, 101 points
- 8<sup>th</sup> Kobus Boshoff, ZS6BOS – 100 points
- 9<sup>th</sup> Jan van der Vyver, ZS1VDV – 96 points
- 10<sup>th</sup> Andre Shaw, ZS1AN – 92 points
- 11<sup>th</sup> Wayne Ritchie, ZS1WBR - 78 points
- 12<sup>th</sup> Celso Moreira, ZS1MYG, Cliff Jones, ZS6BJU and Johan Steyn, ZS6DC – 77 points
- 15<sup>th</sup> Peter Jendrissek, ZS1JX – 74 points
- 16<sup>th</sup> Jadranko Davidovic, ZS6JDA – 73 points
- 17<sup>th</sup> Ean Retief, ZS1PR – 72 points
- 18<sup>th</sup> Adriaan Dissel, ZS1ADL, Rassie Erasmus, ZS1YT, Woody Collett, ZS3WL and Dennis Green, ZS33EUDXF – 71 points
- 22<sup>nd</sup> Romeo Nardini, ZS6ARQ – 70 points
- 23<sup>rd</sup> Sid Tyler, ZS5AYC and Phillip van Tonder, ZS6PVT – 69 points
- 25<sup>th</sup> Karl Canitz, ZS1KC – 65 points
- 26<sup>th</sup> Andre Fransman, ZS1F – 62 points
- 27<sup>th</sup> Cor Esterhuizen, ZS1ES and Thanie Gibson, ZS4AZ – 55 points
- 29<sup>th</sup> Smittie Smit, ZS1AK – 54 points
- 30<sup>th</sup> Quintin Lourens, ZS6SSB - 53 points

31<sup>st</sup> Sybrand Cillie, ZS1SJ – 49 points  
 32<sup>nd</sup> Casey Nootenboom, ZS1AAS and Heather Holland, ZS5YH – 48 points  
 34<sup>th</sup> Geoff Levey, ZS6C – 47 points  
 35<sup>th</sup> Roy Walsh, ZS3RW – 46 points  
 36<sup>th</sup> Dawid Koen, V51DK – 45 points  
 37<sup>th</sup> Gert du Plessis, ZR6GRT – 42 points  
 38<sup>th</sup> Dave Lloyd, ZS6ACC – 41 points  
 39<sup>th</sup> Wynand Nel, ZS6WY – 40 points  
 40<sup>th</sup> Alta Gaybba, ZR3PA, Louis Koen, ZS5LS and Cobus Steenkamp, ZS1COB – 38 points  
 43<sup>rd</sup> Johan Swanepoel, ZS6JHN – 37 points  
 44<sup>th</sup> Shayne Byrne, ZS1ZFL – 36 points  
 45<sup>th</sup> Anthony Rouquette, ZS6ANT – 35 points  
 46<sup>th</sup> Pieter Gaybba, ZS3PG and Christo Bock, ZS1BOK – 33 points  
 48<sup>th</sup> Leonard van Renen, ZS1AM – 31 points  
 49<sup>th</sup> Nic van Duffelen, ZR6AEZ – 28 points  
 50<sup>th</sup> Heinrich Zwemstra, V51HZ and Gawie Hoon, ZS5R – 18 points  
 52<sup>nd</sup> Simone Jones, ZS6SIM – 17 points

### **Combined Results of the 5 SARL Wednesday 80 m Club Sprints**

98 radio amateurs submitted 242 log sheets for the 5 Wednesday Club Sprints and making 3 549 QSOs. The 98 radio amateurs represent 16 Clubs.

1<sup>st</sup> Boland ARC - 3 736 points  
 2<sup>nd</sup> West Rand ARC - 2 875 points  
 3<sup>rd</sup> Bo-Karoo ARC - 2 355 points  
 4<sup>th</sup> Hibiscus Coast ARC - 599 points  
 5<sup>th</sup> Bloemfontein ARC – 541 points  
 6<sup>th</sup> Highway ARC – 416 points  
 7<sup>th</sup> Cape Town ARC – 236 points  
 8<sup>th</sup> Midlands ARC – 161 points  
 9<sup>th</sup> Southern Cape ARC – 119 points  
 10<sup>th</sup> Sandton ARC – 85 points  
 11<sup>th</sup> Secunda ARC – 54 points  
 12<sup>th</sup> PEARS – 50 points  
 13<sup>th</sup> Northern Cape ARC – 46 points  
 14<sup>th</sup> Sandringham Scouts – 44 points  
 15<sup>th</sup> Rustenburg Branch – 37 points  
 16<sup>th</sup> NARL – 33 points

1<sup>st</sup> David de Kock, ZS1DDK - 413 points  
 2<sup>nd</sup> Romeo Nardini, ZS6ARQ - 365 points  
 3<sup>rd</sup> Cliff Jones, ZS6BJU - 246 points  
 4<sup>th</sup> Johan Sevenster, ZS1A – 333 points  
 5<sup>th</sup> Jan Botha, ZS4JAN – 330 points  
 6<sup>th</sup> Christie Grobler, ZS4CGR – 304 points  
 7<sup>th</sup> Pieter Jacobs, ZS6XT – 297 points  
 8<sup>th</sup> Adriaan Dissel, ZS1ADL – 296 points  
 9<sup>th</sup> Granville van Wyk, ZS1GVW – 278 points  
 10<sup>th</sup> Phillip van Tonder, ZS6PVT – 265 points  
 11<sup>th</sup> Andre Shaw, ZS1AN – 255 points  
 12<sup>th</sup> Kobus Boshoff, ZS6BOS – 238 points

13<sup>th</sup> Celso Moreira, ZS1MYG – 236 points  
 14<sup>th</sup> Anthony Rouquette, ZS6ANT – 228 points  
 15<sup>th</sup> Jadranko Davidovic, ZS6JDA – 221 points  
 16<sup>th</sup> Karl Canitz, ZS1KC – 219 points  
 17<sup>th</sup> Carl Maritz, ZS1KM – 207 points  
 18<sup>th</sup> Johan Steyn, ZS6DC – 205 points  
 19<sup>th</sup> Dennis Green, ZS4BS – 204 points  
 20<sup>th</sup> Rassie Erasmus, ZS1YT – 200 points  
 21<sup>st</sup> Heather Holland, ZS5YH – 199 points  
 22<sup>nd</sup> Geoff Levey, ZS6C – 195 points  
 23<sup>rd</sup> Sid Tyler, ZS5AYC – 194 points  
 24<sup>th</sup> Andrew Estil, ZS6AN – 188 points  
 25<sup>th</sup> Schalk van Vuuren, ZS1LL – 185 points  
 26<sup>th</sup> Woody Collett, ZS3WL – 173 points  
 27<sup>th</sup> Christo Bock, ZS1BOK – 164 points  
 28<sup>th</sup> Bryan Peek, ZS5WTF – 161 points  
 29<sup>th</sup> Max Rossi, ZS5MAX – 155 points  
 30<sup>th</sup> Andre Fransman, ZS1F – 145 points  
 31<sup>st</sup> Sybrand Cillie, ZS1SJ – 141 points  
 32<sup>nd</sup> Dave Lloyd, ZS6ACC – 139 points  
 33<sup>rd</sup> Ean Retief, ZS1PR and Trevor Brinch, ZS1TR – 133 points  
 35<sup>th</sup> Karin Andrew, ZS6MMA – 130 points  
 36<sup>th</sup> Casey Nootenboom, ZS1AAS – 128 points  
 37<sup>th</sup> Glen Andrew, ZS6GGA – 123 points  
 38<sup>th</sup> Thanie Gibson, ZS4AZ and Wynand Nel, ZS6WY – 121 points  
 40<sup>th</sup> Denise van Vuuren, ZS1DS – 119 points  
 41<sup>st</sup> Smittie Smit, ZS1AK – 118 points  
 42<sup>nd</sup> Peter Jendrissek, ZS1JX – 113 points  
 43<sup>rd</sup> Gert du Plessis, ZR6GRT – 112 points  
 44<sup>th</sup> Wayne Ritchie, ZS1WBR – 110 points  
 45<sup>th</sup> Dawid Koen, V51DK – 109 points  
 46<sup>th</sup> Pieter Gaybba, ZS3PG – 105 points  
 47<sup>th</sup> Jan van der Vyver, ZS1VDV – 96 points  
 48<sup>th</sup> Louis Koen, ZS5LS – 92 points  
 49<sup>th</sup> Alistair Skudder, ZS6S – 85 points  
 50<sup>th</sup> Leonard van Renen, ZS1AM – 83 points  
 51<sup>st</sup> Alta Gaybba, ZR3PA – 81 points  
 52<sup>nd</sup> Fritz Reinke, ZS1KRF – 79 points  
 53<sup>rd</sup> Cor Esterhuizen, ZS1ES – 76 points  
 54<sup>th</sup> Robin Marshall, ZS5ROB – 74 points  
 55<sup>th</sup> Emil Bohme, ZS1XB – 68 points  
 56<sup>th</sup> Nic van Duffelen, ZR6AEZ and Vaughn le Roux, ZS6VLR – 67 points  
 58<sup>th</sup> Juanita Oberholzer, ZS2YO – 61 points  
 59<sup>th</sup> Keith Lowes, ZS5WFD and Lucas Swart, ZS6ACT – 54 points  
 61<sup>st</sup> Quintin Lourens, ZS6SSB – 53 points  
 62<sup>nd</sup> Shane Clarke, ZS6SC – 52 points  
 63<sup>rd</sup> Heinrich Zwemstra, V51HZ – 51 points  
 64<sup>th</sup> Jannie Smith, ZS3CM and Nico Oelofse, ZS4N – 50 points  
 66<sup>th</sup> Pieter Oberholzer, ZS2OB, Garth Wheeler, ZS5GMW and Clarissa Clarke, ZS6LIS – 48 points  
 69<sup>th</sup> Gawie Hoon, ZS5R – 47 points  
 70<sup>th</sup> Roy Walsh, ZS3RW – 46 points

71<sup>st</sup> Fred da Silva, ZS1ZV and Max Bouckley, ZS6MAX – 44 points  
 73<sup>rd</sup> Simone Jones, ZS6SIM – 43 points  
 74<sup>th</sup> Cobus Steenkamp, ZS1COB and Louis Botha, ZS1JLB – 38 points  
 76<sup>th</sup> Marie Grobbelaar, ZS4MG, Brian Best, ZS5SB and Johan Swanepoel, ZS6JHN – 37 points  
 79<sup>th</sup> Shayne Byrne, ZS1ZFL and Charmaine Schutte, ZS5CVH – 36 points  
 81<sup>st</sup> Christian Baard, ZS3CRB and Breanne Schutte, ZS5BZ – 34 points  
 83<sup>rd</sup> Awie Bosman, ZS6AVI – 33 points  
 84<sup>th</sup> Mathew Lyle, ZS5PG – 31 points  
 85<sup>th</sup> Geoff Wagner, ZS5AGM – 27 points  
 86<sup>th</sup> Lionel du Plessis, ZS6DPL – 25 points  
 87<sup>th</sup> Matthys Louw, ZS1TBP – 23 points  
 88<sup>th</sup> Arno van Rensburg, ZS6ARN – 21 points  
 89<sup>th</sup> Terry Eaton, ZS5TX – 20 points  
 90<sup>th</sup> Beverley van Tonder, ZR6BVT and Lodie van Ronder, ZS6LVT – 19 points  
 92<sup>nd</sup> Davy Smeda, ZR1FR – 17 points  
 93<sup>rd</sup> Sidney Freedman, ZS5SID – 16 points  
 94<sup>th</sup> Johan du Plessis, V51JH and Jess Hawes, ZS5YAT – 14 points  
 96<sup>th</sup> Barend Venter, ZS4BGV, Justin Wright, ZS5JW and Bertus Geyer, ZS6BJG – 7 points

Thank you to everybody who participated!

15 January 2020 – SARL Wednesday 80 m Club Sprint and 29 February 2020 – SARL 95 40 m Club Sprint!

### WSJT-X 2.1.2

The latest release of WSJT-X, the software suite that includes the FT4 and FT8 protocols, is now available. WSJT-X 2.1.1 (released on 25 November) was a bug-fix release to address several regressions in version v2.1.0. WSJT-X 2.1.2 (released on 26 November) is "an emergency bug-fix release" to correct errors that crept into the Hamlib package bundled with v2.1.1 and affected control of certain Icom radios. The installation packages for Windows, Linux and Macintosh, as well as the User Guide, can be found on <http://physics.princeton.edu/pulsar/k1jt/wsjt.html>. Upgrading from earlier versions of WSJT-X should be straightforward. There is no need to uninstall or move any files.

### African DX

*Contacts with stations on the African continent count towards the SARL's All Africa Award* ([www.sarl.org.za/public/awards/awards.asp](http://www.sarl.org.za/public/awards/awards.asp))



The Gambia, C5. Paul, SA6PIS, is active as C56PIS from the Ocean Bay Hotel, Bakau, The Gambia until 13 December. Activity will be holiday style on various HF bands. QSL via his home call sign.

The Gambia, C5. Carlo, ON4BR, is active as C56BR from The Gambia until 14 December. Activity will be holiday style on various HF bands using CW, SSB and FT8. QSL via his home call sign direct.

Somalia, 6O. Ali, EP3CQ will be back on the air as 6O100 between 4 and 19 December. QSL via EP3CQ direct.



The Gambia, C5. Andre, ON7YK, is once again active as C5YK from Bijilo until early March 2020. Activity will be on 60, 40, 30, 20, 17, 15, 12, 10 and 6 metres using mostly FT8 as well as CW, SSB, JT65, JT9 and RTTY. QSL via his home



call sign, direct, LoTW or eQSL. Please NO QSL direct to his home address before March 2020! Visit his Web page at <http://www.on7yk.eu/index.html>

Tanzania, 5H. Charles, NK8O will again be active from Zinga as 5H3DX between mid-February to mid-March 2020. He will be active from 40 to 10 meter using CW and maybe FT8. QSL via NK8O.

Zambia, 9J. The Z2LA and 7P8LB team are planning a next trip from 5 to 15 March 2020. Look for the team as 9J2LA. They will focus on CW and FT8 for the low bands and CW, SSB and FT8 for the higher bands. QSL via M0OXO. <http://9j2la.com/>

Ivory Coast, TU. TU2R will be active from 23 March until 3 April 2020 with an entry in the CQ WPX SSB contest. Operation with 3 stations from 160 to 10 meter using CW, SSB and digital. QSL via ON1DX direct or bureau, LoTW, OQRS Club Log. <https://tu2r.wordpress.com/>

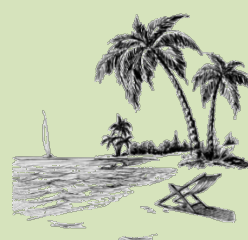
### African Islands

IOTA Frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

Senegal, 6W. The annual 6V1A expedition to the island of Goree (AF-045) will be conducted between 13 and 15 December. Activity will be on various bands using SSB and CW. QSL via LoTW, or PayPal [6v1a.aras@gmail.com](mailto:6v1a.aras@gmail.com) for a direct card.



Tanzania, 5H. The Italian DXpedition will be operating between 4 and 18 February 2020 from Zanzibar Island. They will be active as 5I5TT for CW, SSB and RTTY and as 5I4ZZ for FT12 with 5 stations. QSL via I2YSB. <http://www.i2ysb.com/idt/>

### DXCC's Most Wanted (ClubLog)

The "DXCC Most Wanted" entities list has been updated on ClubLog as of 27 October. The only change this month is 3Y/P Peter 1 Island and FT5/X Kerguelen Island switch places. The complete "DXCC Most Wanted" entities list (340) is available at <https://secure.clublog.org/mostwanted.php>. The following are the top 10 entities:

1. P5 DPRK (North Korea)
2. 3Y/B Bouvet Island
3. FT5/W Crozet Island
4. BS7H Scarborough Reef
5. CE0X San Felix Islands
6. BV9P Pratas Island
7. KH7K Kure Island
8. KH3 Johnston Island
9. 3Y/P Peter 1 Island
10. FT5/X Kerguelen Island

### Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 2 to 9 December 2019

ARS Spartan Sprint  
02:00 - 04:00 UTC 3 December  
Geographic Focus: North America  
Participation: Worldwide

Mode: CW  
Bands: 80, 40, 20, 15, 10 m  
Classes: Skinny; Tubby  
Max power: 5 watts

Exchange: RST, state, province or country and power

Work stations: Once per band

Submit logs by: 5 December 2019

E-mail logs to: [spartansprint@yahoo.com](mailto:spartansprint@yahoo.com)

Mail logs to: (none)

Find rules at:

<http://arsqrp.blogspot.com/2009/02/so-whats-spartan-sprint-and-how-do-i.html>

QRP Fox Hunt

02:00 - 03:30 UTC 4 December

Geographic Focus: United States

Participation: Worldwide

Mode: CW

Bands: 40 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 5 December 2019

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

[www.qrpfoxhunt.org/winter\\_rules.htm](http://www.qrpfoxhunt.org/winter_rules.htm)

Phone Fray

02:30 - 03:00 UTC 4 December

Geographic Focus: North America

Participation: Worldwide

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or country; non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 6 December 2019

E-mail logs to: (none)

Post log summary at: [www.3830scores.com](http://www.3830scores.com)

Mail logs to: (none)

Find rules at:

[www.perluma.com/Phone\\_Fray\\_Contest\\_Rule\\_s.pdf](http://www.perluma.com/Phone_Fray_Contest_Rule_s.pdf)

CWops Mini-CWT Test

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 4

December and 03:00 - 04:00 UTC 5 December

Geographic Focus: Worldwide

Participation: Worldwide

Awards: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: Member: Name and member no

non-Member: Name and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC 7 December 2019

Post log summary at: [www.3830scores.com](http://www.3830scores.com)

Mail logs to: (none)

Find rules at: <https://cwops.org/cwops-tests/>

QRP ARCI Topband Sprint

00:00 - 03:00 UTC 5 December

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 160 m Only

Classes: Single-Op

Max operating hours: 3 hours

Exchange: ARCI: RST, state, province or country and ARCI no; non-ARCI: RST, state, province or country and power out

Work stations: Once per mode

QSO Points: ARCI Member: 5 points; Non-Member Different Continent: 4 points; Non-Member Same Continent: 2 points

Multipliers: States, once regardless of mode;

VE Provinces, once regardless of mode;

Countries, once regardless of mode

CW Power Mult: x 1 >5 W, x 7 1 - 5 W, x 10 250

mW - 1 W, x 15 55 - 250 mW, x 20 <55 mW;

SSB Power Mult: x 1 >10 W, x 7 2 - 10 W, x 10

500 mW - 2 W, x 15 100 - 500 mW, x 20 <100 mW; Mixed Power Mult: smaller of CW or SSB power multiplier

Score Calculation: Total score = total QSO points x (state mults and province mults and country mults) x power mult

Submit logs by: 19 December 2019

E-mail logs to: (none)

Upload log at: [www.qrpcontest.com](http://www.qrpcontest.com)

Mail logs to: (none)

Find rules at:

<http://qrparci.org/contests/2019%20Top%20Band%20Sprint.txt>

NRAU 10 m Activity Contest

18:00 - 19:00 UTC (CW) and 19:00 - 20:00 UTC (SSB) and 20:00 - 21:00 UTC (FM) and 21:00 - 22:00 UTC (Dig) 5 December

Geographic Focus: Nordic Europe

Participation: Worldwide

Mode: CW, SSB, FM, Digital

Bands: 10 m Only

Classes: (none)

Exchange: RS(T) and 6-character grid square

QSO Points: (see rules)

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 19 December 2019

Upload log at:

[http://ua9qcq.com/en/submit\\_log.php?lang=en](http://ua9qcq.com/en/submit_log.php?lang=en)

Mail logs to: (none)

Find rules at: [www.nrau.net/activity-contests/below-30mhz.html](http://www.nrau.net/activity-contests/below-30mhz.html)

SKCC Sprint Europe

20:00 - 22:00 UTC 5 December

Geographic Focus: Europe

Participation: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: (none)

Exchange: RST, state, province or country, name and SKCC no or power

Work stations: Once per band

QSO Points: (see rules)

Multipliers: Each state, province, or country once

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 12 December 2019

E-mail log summary to: (none)

Post log summary at:

[www.skccgroup.com/operating\\_activities/skse/submit-display.php?submit\\_id=165](http://www.skccgroup.com/operating_activities/skse/submit-display.php?submit_id=165)

Mail logs to: (none)

Find rules at:

[www.skccgroup.com/operating\\_activities/skse/](http://www.skccgroup.com/operating_activities/skse/)

NCCC RTTY Sprint

01:45 - 02:15 UTC 6 December

Geographic Focus: North America

Participation: Worldwide

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 8 December 2019

E-mail logs to: (none)

Post log summary at: [www.3830scores.com/](http://www.3830scores.com/)

Mail logs to: (none)

Find rules at: [www.ncccsprint.com/rtty.html](http://www.ncccsprint.com/rtty.html)

QRP Fox Hunt

02:00 - 03:30 UTC 6 December

Geographic Focus: United States

Participation: Worldwide

Mode: CW

Bands: 80 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 7 December 2019

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at:

[www.qrpfoxhunt.org/winter\\_rules.htm](http://www.qrpfoxhunt.org/winter_rules.htm)

NCCC Sprint

02:30 - 03:00 UTC 6 December

Geographic Focus: North America

Participation: Worldwide

Mode: CW



Bands: (see rules)  
Classes: (none)  
Exchange: Serial no, name and QTH  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 8 December 2019  
E-mail logs to: (none)  
Post log summary at: [www.3830scores.com/](http://www.3830scores.com/)  
Mail logs to: (none)  
Find rules at: [www.ncccsprint.com/rules.html](http://www.ncccsprint.com/rules.html)

ARRL 160 Metre Contest  
22:00 UTC 6 December to 16:00 UTC, Dec 8  
Geographic Focus: United States/Canada  
Participation: Worldwide  
Mode: CW  
Bands: 160 m Only  
Classes: Single Op - QRP, low or high; Single Op Unlimited - QRP, low or high; Multi-Single – low or high  
Max operating hours: 42 hours  
Max power: HP: 1 500 watts; LP: 150 watts; QRP: 5 watts  
Exchange: W/VE: RST and ARRL/RAC Section; DX: RST  
QSO Points: 2 points per QSO with ARRL/RAC Section; W/VE Station: 5 points per DX QSO  
Multipliers: Each ARRL/RAC Sections; Each DXCC Country (W/VE only)  
Score Calculation: Total score = total QSO points x (total section mults and total country mults)  
Submit logs by: 16:00 UTC 15 December 2019  
E-mail logs to: (none)  
Upload log at: <http://contest-log-submission.arrl.org>  
Mail logs to: 160 Meter Contest, ARRL, 225 Main St., Newington, CT 06111, USA  
Find rules at: [www.arrl.org/160-meter](http://www.arrl.org/160-meter)

UFT Contest  
05:00 - 08:00 UTC and 15:00 - 18:00 UTC 7 December and 07:00 - 10:00 UTC 8 December  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: CW  
Bands: 80, 40, 20, 15, 10 m  
Classes: Single Op; Multi-Op; QRP; SWL  
Max power: QRP: 5 Watts  
Exchange: Member: RST and member no; non-Member: RST and "NM"

Work stations: Once per band  
QSO Points: 1 point per QSO with non-member; 5 points per QSO with same continent; 10 points per QSO with different continent; 20 points per QSO with F8UFT  
Multipliers: Each UFT member/F8UFT once per band  
Score Calculation: Total score = total QSO points x total mults  
Submit logs by: 15 January 2020  
E-mail logs to: [f6cel@orange.fr](mailto:f6cel@orange.fr)  
Mail logs to: Ghislain Barbason, 5, rue de l'écluse, F-02190 Pignicourt, France  
Find rules at: [www.uft.net/articles.php?lng=fr&pg=116&mnuid=105&tconfig=0](http://www.uft.net/articles.php?lng=fr&pg=116&mnuid=105&tconfig=0)

Wake-Up! QRP Sprint  
06:00 – 06:29 UTC and 06:30 – 06:59 UTC and 07:00 – 07:29 UTC and 07:30 - 08:00 UTC 7 December  
Geographic Focus: Worldwide  
Participation: Worldwide  
Mode: CW  
Bands: 40, 20 m  
Classes: (none)  
Max power: 5 watts  
Exchange: RST, serial no and suffix of previous QSO ("QRP" for 1st QSO)  
Work stations: Once per band per period  
QSO Points: 1 point per km  
Multipliers: 1 point per new station worked on each band  
Score Calculation: Total score = total QSO points x total multiplier points  
Submit logs by: 14 December 2019  
E-mail logs to: [ru-qrp-club@mail.ru](mailto:ru-qrp-club@mail.ru)  
Mail logs to: (none)  
Find rules at: <http://qrp.ru/contest/wakeup/333-wakeup-eng>

SKCC Weekend Sprintathon  
12:00 UTC 7 December to 24:00 UTC 8 December  
Geographic Focus: Worldwide  
Participation: Worldwide  
Awards: Worldwide  
Mode: CW  
Bands: 160, 80, 40, 20, 15, 10, 6 m  
Classes: (none)

Max operating hours: 24  
 Exchange: RST, state, province or country, name and SKCC no or "NONE"  
 Work stations: Once per band  
 QSO Points: 1 point per QSO  
 Bonus Points: (see rules)  
 Multipliers: Each state, province, or country once  
 Score Calculation: Total score = (total QSO points x total mults) and bonus points  
 Submit logs by: 15 December 2019  
 Post log summary at:  
[www.skccgroup.com/operating\\_activities/weekend\\_sprintathon/submit-display.php](http://www.skccgroup.com/operating_activities/weekend_sprintathon/submit-display.php)  
 Mail logs to: (none)  
 Find rules at:  
[www.skccgroup.com/operating\\_activities/weekend\\_sprintathon/](http://www.skccgroup.com/operating_activities/weekend_sprintathon/)

International Naval Contest  
 16:00 UTC 7 December to 15:59 UTC 8 December  
 Geographic Focus: Europe  
 Participation: Worldwide  
 Mode: CW, SSB  
 Bands: 80, 40, 20, 15, 10 m  
 Classes: Naval Single Op All Band – CW, SSB or mixed; Naval Club Station; non-Naval; SWL  
 Max operating hours: 24 hours  
 Exchange: Naval Club Member: RS(T), Club and member no; non-Naval Club Member: RS(T) and serial no  
 Work stations: Once per band  
 QSO Points: Naval Club Members: 10 points; non-Naval Club Members: 1 point  
 Multipliers: Naval Club Members, once regardless of band  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 31 December 2019  
 E-mail logs to: [df8ld@dar.de](mailto:df8ld@dar.de)  
 Mail logs to: Albert Homrighausen, DF8LD, Am Fliederbogen 2, D-24980 Schafflund, Germany  
 Find rules at:  
[www.rnars.org.uk/documents/Regulations%20INC2019\\_E.pdf](http://www.rnars.org.uk/documents/Regulations%20INC2019_E.pdf)

PRO CW Contest  
 16:00 UTC 7 December to 15:59 UTC 8 December  
 Geographic Focus: Worldwide

Participation: Worldwide  
 Mode: CW  
 Bands: 80, 40, 20, 15, 10 m  
 Classes: Single Op All Band - QRP, low or high; Single Op Single Band; Multi-Op; CW Club Member (see rules); SWL  
 Max power: High: >100 watts; Low: 100 watts; QRP: 5 watts  
 Exchange: CW Club Member: RST, serial no and "/M"; non-Members: RST and serial no  
 Work stations: Once per band  
 QSO Points: QSO with own country: 1 point; QSO with own continent or other continents: 2 points; QSO with CW club member: 2 bonus points; QSO between CW club members: 6 bonus points  
 Multipliers: Each prefix outside of entrant's country once per band  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 23:59 UTC 12 December 2019  
 E-mail logs to: [cw@procontestclub.ro](mailto:cw@procontestclub.ro)  
 Mail logs to: (none)  
 Find rules at:  
[www.procontestclub.ro/PCC%20Rules.html](http://www.procontestclub.ro/PCC%20Rules.html)

FT Roundup  
 18:00 UTC 7 December to 23:59 UTC 8 December  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: FT8/FT4  
 Bands: 80, 40, 20, 15, 10 m  
 Classes: Single Op Unlimited; Multi-Op  
 Max operating hours: 24 with at least 30 minutes off times  
 Max power: 100 watts  
 Exchange: W (except KH6/KL7): RST and state; VE: RST and province/territory; non-W/VE: RST and serial no  
 QSO Points: 1 point per QSO  
 Multipliers: Each US state (excluding KH6/KL7) and DC once; Each VE province/territory once; Each DXCC country (excluding W/VE) once  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 23:59 UTC 15 December 2019  
 E-mail logs to: [ft8-ru@cqwww.com](mailto:ft8-ru@cqwww.com)  
 Mail logs to: (none)  
 Find rules at: [www.rttycontesting.com/ft8-roundup/rules/](http://www.rttycontesting.com/ft8-roundup/rules/)

EPC Ukraine DX Contest  
 20:00 UTC 7 December to 19:59 UTC 8 December  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: BPSK63  
 Bands: 80, 40, 20, 15, 10 m  
 Classes: Single Op All Band - 12 hours or 24 hours; Single Op Low Band; Single Op High Band; Multi-Single  
 Max power: 100 watts  
 Exchange: Ukraine: RSQ and Ukr Admin Region; non-Ukraine: RSQ and QSO no  
 Work stations: Once per band  
 QSO Points: 1 point per QSO with same country; 2 points per QSO with same continent, different country; 5 points per QSO with different continent; non-Ukraine: 10 points per QSO with Ukrainian station  
 Multipliers: Each DXCC country once per band; Each Ukrainian administrative region once per band  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 22 December 2019  
 E-mail logs to: (none)  
 Upload log at:  
[http://ua9qcq.com/en/submit\\_log.php?lang=en/](http://ua9qcq.com/en/submit_log.php?lang=en/)  
 Mail logs to: (none)  
 Find rules at: <https://epc-ukraina.ucoz.com/>

QRP ARCI Holiday Spirits Homebrew Sprint  
 20:00 - 23:00 UTC 8 December  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: CW  
 Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: All Bands; Single Band; High Bands; Low Bands; Multi-Op; DX  
 Max operating hours: 4 hours  
 Exchange: RST, state, province or country and ARCI number or power  
 Work stations: Once per band  
 QSO Points: ARCI Member: 5 points; Non-Member Different Continent: 4 points; Non-

Member Same Continent: 2 points; Bonus points per band: 2 000 for HB xmtr, 3 000 for HB rcvr, 5 000 for HB transcvr; Bonus points: 5 000 for battery power portable with temporary antenna (not once per band)  
 Multipliers: States, once per band; VE Provinces, once per band; Countries, once per band  
 Power Mult: x 1 >5 W, x 7 1 - 5 W, x 10 250 mW - 1 W, x 15 55 - 250 mW, x 20 <55 mW  
 Score Calculation: Total score = (total QSO points x (state mults and province mults and country mults) x power mult) and bonus points  
 Submit logs by: 22 December 2019  
 E-mail logs to: (none)  
 Upload log at: [www.qrpcontest.com](http://www.qrpcontest.com)  
 Mail logs to: (none)  
 Find rules at:  
<http://qrparci.org/contests/2019%20Holiday%20Spirits.txt>

4 States QRP Group Second Sunday Sprint  
 01:00 - 03:00 UTC 9 December  
 Geographic Focus: North America  
 Participation: Worldwide  
 Mode: CW, SSB  
 Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: Single Op  
 Exchange: Member: RS(T), state, province or country and member no; Non-member: RS(T), state, province or country and power  
 Work stations: Once per band  
 QSO Points: 1 point per QSO with non-member; 2 points per QSO with member  
 Multipliers: (none)  
 Score Calculation: Total score = total QSO points  
 Submit logs by: 11 December 2019  
 E-mail logs to: (none)  
 Post log summary at:  
<http://qrpcontest.com/4sqrp>  
 Mail logs to: (none)  
 Find rules at:  
[www.4sqrp.com/SSS/sss\\_rules.pdf](http://www.4sqrp.com/SSS/sss_rules.pdf)

## Next Week's Contests

NAQCC CW Sprint, 01:30 - 03:30 UTC 11 December

QRP Fox Hunt, 02:00 - 03:30 UTC 11 December  
Phone Fray, 02:30 - 03:00 UTC 11 December  
CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 11 December and 03:00 - 04:00 UTC 12 December  
NCCC RTTY Sprint, 01:45 - 02:15 UTC 12a December  
QRP Fox Hunt, 02:00 - 03:30 UTC 12a December  
NCCC Sprint, 02:30 - 03:00 UTC 12a December  
ARRL 10 Metre Contest, 00:00 UTC 14 December to 24:00 UTC 15 December  
PODXS 070 Club Triple Play Low Band Sprint, 00:00 UTC 14 December to 23:59 UTC 16 December  
TRC Digi Contest, 06:00 UTC 14 December to 18:00 UTC 15 December  
CQC Great Colorado Snowshoe Run, 21:00 - 22:59 UTC 15 December  
Run for the Bacon QRP Contest, 02:00 - 04:00 UTC 16 December

Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter